| Inde | ex of | Clai | ms |
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|      |       |      |    |

| Appli | cation | /Con  | trol | No  |
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| Appn  | Cation | /CUII | uoi  | NO. |

Applicant(s)/Patent under Reexamination

10/516,548

RUITENBURG ET AL.
Art Unit

Examiner

RuiMeng Hu

2618

| <b>√</b> | Rejected |
|----------|----------|
| =        | Allowed  |

| -  | (Through numeral)<br>Cancelled |
|----|--------------------------------|
| Γ. | Doctricted                     |

| N | Non-Elected  |
|---|--------------|
| _ | Interference |

| Α | Appeal   |
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| 0 | Objected |

|  |  |  | L        |  |  |          | ,              |  | Ь.       | ــــــــــــــــــــــــــــــــــــــ |
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| Cla  | Date                                   |  |          |  |  |          |                |  |          |  |
| -016   |  | $\vdash$                                     | _        | ı  |  | Jan      | <u> </u>       | Г  |          | П                                      |
|  | Original                               | 12/19/06                                     |          |  |  |          |                |  |          |  |
| Final  | į                                      | 19   |          |  |  |          |                |  |          |  |
| ш.   | ŏ                                      | 12   | ·        |  |  |          |                |  |          | H                                      |
|  |  |  |          | ├-   | _  | ⊢        | ├              | ├  | ├        | Н                                      |
|  | 1<br>2<br>3<br>4<br>5                  | 7 - 7 7                                      | _        | _  | <u> </u>   | _        | <u> </u>       | -  | <u> </u> | Ш                                      |
|  | 2                                      | -  |          | <u> </u>   |  | -        | <u> </u>       | <u> </u>   | <u> </u> | Н                                      |
|  | 3                                      | ν,   | _        | <u> </u>   | _  | _        | <u> </u>       | <u> </u>   | <u> </u> | Ш                                      |
|  | 4                                      | ٧  | _        | _  |  | _        | L              | ╙  | _        | Ш                                      |
|  | 5                                      | _  | _        | <u> </u>   | _  | L.       | <u> </u>       | ╙  | L_       | Ш                                      |
| <u> </u>   | 6<br>7                                 | _  | <u> </u> | _  |  | _        |                | ļ  | <u> </u> | _                                      |
|  | 7                                      |  | _        |  | $ldsymbol{ldsymbol{ldsymbol{eta}}}$  |          | ᆫ              | <u> </u>   | L        | Ш                                      |
|  | 8                                      |  |          |  |  |          | _              | _  | L        | Ш                                      |
|  | 9                                      |  |          | <u> </u>   |  | L        | L              | <u> </u>   | <u> </u> | Щ                                      |
|  | 10                                     | _  | _        | <u> </u>   | _  | L        | ╙              | $ldsymbol{ld}}}}}}$ | L        | Ш                                      |
| L  | 11                                     | $ldsymbol{ldsymbol{ldsymbol{eta}}}$          | <u> </u> | _  |  |          | ⊢              | <u> </u>   | <u> </u> | Ш                                      |
|  | 12                                     | Ш  | _        | <u> </u>   |  | $\vdash$ | <u> </u>       | <u> </u>   | <u> </u> | Щ                                      |
| $ldsymbol{ld}}}}}}$ | 13                                     | <u> </u>                                     |          | <u> </u>   | L  | L.       | <u> </u>       |  |          |  |
| Ļ  | 10<br>11<br>12<br>13<br>14<br>15<br>16 | L_   | _        |  |  |          |                |  |          |  |
| <u> </u>   | 15                                     | <u> </u>                                     | _        | _  |  | L        | <u> </u>       | <u> </u>   | <u> </u> |  |
| igsquare   | 16                                     | <u> </u>                                     | <u> </u> | L  |  | L_       |                | L  | <u> </u> |  |
| <u> </u>   | 17                                     | $ldsymbol{ldsymbol{ldsymbol{ldsymbol{eta}}}$ |          |  |  | L        | <u> </u>       | <u> </u>   | L.       | Ш                                      |
|  | 18<br>19                               |  | L        |  | -  |          |                | <u> </u>   | _        |  |
|  | 19                                     |  |          |  |  |          | L              |  |          |  |
|  | 20                                     |  |          |  |  | L        |                | Ŀ  |          |  |
|  | 21                                     |  |          | _  | $\Box$   |          | L              | L  | _        |  |
| L  | 21<br>22<br>23                         |  |          | _  | $ldsymbol{ld}}}}}}$ | L        | ᆫ              | ᆫ  | L        | Ш                                      |
|  | 23                                     |  |          | _  |  |          |                | _  |          | Ш                                      |
|  | 24<br>25                               | _  | L        | <u> </u>   |  | Ш        |                | <u> </u>   | _        | Ш                                      |
|  | 25                                     | _  | <u> </u> | L  |  | L.       | _              | L_   |          |  |
| <u> </u>   | 26<br>27                               | Ļ_   | <u> </u> | _  |  | ļ        | _              | <u> </u>   | <u> </u> | Ш                                      |
|  | 27                                     |  | ldash    |  |  |          | <u> </u>       |  | <u> </u> |  |
| <u> </u>   | 28                                     | ļ  | <u> </u> | _  | ļ  |          | <u> </u>       | <u> </u>   | <u> </u> |  |
| <u> </u>   | 29                                     | _  | ļ        | <u> </u>   | _  |          | <u> </u>       | <u> </u>   | <u> </u> | Н                                      |
|  | 30                                     |  | ┡        | _  | <u> </u>   | $\vdash$ | <u> </u>       | _  | <u> </u> | Н                                      |
|  | 31                                     |  | <u> </u> | <u></u>  |  | _        | <u> </u>       | -  | <u> </u> | Н                                      |
|  | 32<br>33                               | <u> </u>                                     | <u> </u> |  | _  | ļ        | _              | <u> </u>   | <u> </u> | $\vdash$                               |
| <u> </u>   | 33                                     |  | <u> </u> |  | <u> </u>   | <u> </u> | <del> </del> — | <u> </u>   | <u> </u> |  |
|  | 34<br>35                               | <u> </u>                                     | <u> </u> | $\vdash$   | <u> </u>   | $\vdash$ | <del> </del>   | <u> </u>   | <u> </u> | $\vdash\vdash$                         |
| <u> </u>   | 35                                     | -  | <u> </u> | <b> </b>   | <u> </u>   | Ļ.       | ├-             | $\vdash$   | -        | $\vdash \vdash$                        |
| <b> </b>   | 36                                     | $\vdash$                                     | <u> </u> | H  | <u> </u>   | $\vdash$ | -              | ├  | -        | Н                                      |
| <u> </u>   | 37                                     | -  | -        | -  | <u> </u>   | -        | ├              | ├  | -        | Н                                      |
| <u> </u>   | 38                                     | $\vdash$                                     | <u> </u> | H  | _  | <u> </u> | ├              | <u> </u>   | -        | Н                                      |
|  | 39                                     |  | -        | -  | $\vdash$   | $\vdash$ |                |  | -        | $\vdash$                               |
| <u> </u>   | 40                                     |  | -        | <b>.</b>   |  | H        | $\vdash$       | -  | -        |  |
| ļ  | 41                                     | _  | <u> </u> | H  | <u> </u>   | <u> </u> | <del> </del>   | <u> </u>   | <u> </u> | Ш                                      |
|  | 42                                     | $\vdash$                                     | $\vdash$ | <del>                                     </del> | $\vdash$   | -        | <del> </del>   | ⊢  | <u> </u> | $\vdash\vdash$                         |
| <b> </b>   | 43                                     | $\vdash$                                     | ├        | H  | H  | H        | ├-             | ├  | -        | Н                                      |
| $\vdash$   | 44                                     | $\vdash$                                     | -        | -  | $\vdash$   | $\vdash$ | -              | -  | -        | Н                                      |
| <u> </u>   | 45                                     | $\vdash$                                     |          |  | -  | $\vdash$ | -              |  | -        | Н                                      |
|  | 46                                     | -  | -        | -  | -  |          | -              | ├-   | <u> </u> | Н                                      |
|  | 47                                     | -  | -        | -  | H  | $\vdash$ | ├-             | -  | -        | Н                                      |
| <del></del>  | 48                                     | $\vdash$                                     | <u> </u> | -  | $\vdash$   | $\vdash$ | -              | $\vdash$   | -        | $\vdash$                               |
|  | 49                                     | $\vdash$                                     | -        | Ι-   | <b>-</b>   | <u> </u> | <u> </u>       | -  | -        | Н                                      |
| 1  | 50                                     | 1  | ı        | ı  |  |          |                |  |          | i I                                    |

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| -     | 1 O I          | $\vdash$   |             |  |          |   |          | H        | -         |  |
|       | 52             |  |             |  |          |   |          |          |           |  |
|       | 52<br>53       |  |             |  |          |   |          | Г        |           | $\vdash$   |
| -     | 54             | $\vdash$   | $\vdash$    |  |          |   | $\vdash$ |          |           | _  |
|       | 54<br>55       | H  | <del></del> | <u> </u>   |          | _                                       | ┢        |          |           | $\vdash$   |
|       | 56             |  | Н           | $\vdash$   |          |   | -        | $\vdash$ | -         | -  |
|       | 56<br>57<br>58 |  | $\vdash$    | $\vdash$   |          | $\vdash$                                | Н        |          | ┢         | ┢  |
|       | 58             | Н  | ┢           | -  |          |   | т        | $\vdash$ | $\vdash$  | $\vdash$   |
|       | 59             | _  |             | -  |          | -                                       | Т        | $\vdash$ |           | $\vdash$   |
|       | 60             | -  |             | -  |          |   | Η-       | H        |           | <u> </u>   |
|       | 61             | $\vdash$   |             |  |          |   | ┢        | $\vdash$ | $\vdash$  | ┢  |
|       | 62             |  | -           |  |          | -                                       | $\vdash$ |          | $\vdash$  | $\vdash$   |
|       | 63             |  | _           |  |          | $\vdash$                                | ┪        | $\vdash$ | $\vdash$  | _  |
|       | 63<br>64       |  |             |  |          |   | Т        |          |           | -  |
|       | 65             |  | $\vdash$    |  |          |   | $\vdash$ |          |           | <del>                                     </del> |
|       | 66             |  |             | -  |          |   | Г        |          |           |  |
|       | 67             |  | $\vdash$    |  |          |   | Г        |          |           |  |
|       | 68             | Н  |             |  |          |   |          | Г        |           | _  |
|       | 68<br>69       | Г  |             | $\vdash$   | $\vdash$ |   | _        |          |           | $\vdash$   |
|       | 70             | Н  | T           | 1  |          |   |          | <u>├</u> | _         | -  |
| -     | 71             | Г  | _           | <del>                                     </del> | $\vdash$ | $\vdash$                                | $\vdash$ | _        |           | T  |
|       | 72             | _  | _           | ┢  |          | $\vdash$                                | $\vdash$ | _        | _         | Г  |
|       | 71<br>72<br>73 | Г  | $\Box$      | 1  |          | <u> </u>                                | _        | <b></b>  | _         | Г  |
|       | 74             |  |             | Г  |          |   |          |          | -         |  |
|       | 74<br>75       |  |             | Г  |          |   |          |          | $\vdash$  | Г  |
|       | 76<br>77       |  |             |  |          |   |          |          |           | Г  |
|       | 77             |  |             |  |          |   |          |          |           |  |
|       | 78             |  |             | П  |          |   |          | Г        |           |  |
|       | 79             |  |             | Г  |          |   |          |          |           | Г  |
|       | 80             |  |             |  |          |   |          |          |           | Г  |
|       | 81             |  |             |  |          |   |          |          |           | Г  |
|       | 82             |  | <u> </u>    |  |          |   |          |          |           |  |
|       | 82<br>83       |  |             |  |          |   |          |          |           |  |
|       | 84             |  |             |  |          |   |          |          |           |  |
|       | 85             |  |             |  |          |   |          |          |           |  |
|       | 86             |  |             |  |          |   |          |          | ·         |  |
|       | 87<br>88       |  |             |  |          |   |          |          |           |  |
|       | 88             |  |             |  |          |   |          |          |           |  |
|       | 89             |  | _           |  |          |   |          | <u> </u> |           |  |
|       | 90             |  |             |  |          | سَـــــــــــــــــــــــــــــــــــــ |          | L        |           |  |
|       | 91             |  |             |  |          |   |          | <u> </u> |           | L  |
|       | 92             | Ш  |             | <u>L</u>   | L        | _                                       | L        | <u>L</u> | _         | L  |
|       | 93             | $ldsymbol{ld}}}}}}}$ |             | <u>_</u>   | Ш        | $oxed{oxed}$                            | _        | <u>L</u> |           | Ĺ  |
|       | 94             | L_   | <u> </u>    | <u> </u>   | <u> </u> | <u> </u>                                |          | <u> </u> | _         | L  |
|       | 95             |  | L           | _  | <u> </u> | $ldsymbol{ldsymbol{ldsymbol{eta}}}$     | L        | ļ        | _         | L  |
|       | 96             | <u> </u>   | L_          | <u> </u>   | <u> </u> | _                                       |          | <u> </u> | _         | Ļ  |
|       | 97             | L.   | <u> </u>    | <u> </u>   | ldash    | ldash                                   | <u>_</u> | <u> </u> | _         | <u> </u>   |
|       | 98             | <u> </u>   | <u> </u>    | <u> </u>   | <u> </u> | <u> </u>                                | <u> </u> | ┞        | <u> </u>  | L  |
|       | 99             | Ш  | <u> </u>    | <u> </u>   | <u> </u> | L                                       | <u> </u> | <u> </u> | <u> -</u> | _  |
|       | 100            |  | ı           |  |          |   |          |          |           |  |

| Cli   | aim   | Date     |          |          |          |               |          |          |          |                |  |
|-------|---|----------|----------|----------|----------|---------------|----------|----------|----------|----------------|--|
|       | _   |          |          |          |          |               |          |          |          |                |  |
| Final | Original  |          |          |          |          |               |          |          |          |                |  |
|       | 101   |          |          |          |          |               |          |          |          |                |  |
|       | 101<br>102<br>103<br>104<br>105<br>106  |          |          |          |          |               |          |          |          |                |  |
|       | 103   |          |          |          |          |               |          |          |          |                |  |
|       | 104   |          |          |          |          |               |          |          |          |                |  |
|       | 105   |          |          |          | _        |               |          |          |          |                |  |
|       | 106   |          |          | _        |          |               | _        | _        |          | $\blacksquare$ |  |
|       | 107   |          |          |          |          | _             | _        |          | _        |                |  |
|       | 108<br>109<br>110   | <u> </u> | <u></u>  | -        |          | _             | _        |          |          | -              |  |
|       | 109   |          | _        |          | _        | -             |          |          |          | -              |  |
|       | 110   | _        |          | $\vdash$ | _        | -             | _        |          | -        | $\vdash$       |  |
|       | 111   | _        | _        |          | -        | -             | -        | _        | -        | $\dashv$       |  |
|       | 113   | -        | _        | -        |          | —             | $\vdash$ | $\vdash$ |          | $\vdash$       |  |
|       | 111<br>112<br>113<br>114<br>115<br>116<br>117   |          | <u> </u> | $\vdash$ |          | -             | $\vdash$ | Н        | H        | H              |  |
|       | 115   |          | _        |          |          | $\vdash$      | $\vdash$ | $\vdash$ |          | $\vdash$       |  |
|       | 116   |          |          |          | _        | _             |          |          |          |                |  |
|       | 117   |          |          |          |          |               |          |          |          |                |  |
|       | 118   |          |          |          |          |               |          |          |          |                |  |
|       | 119   |          |          |          |          |               |          |          |          |                |  |
|       | 120   |          |          |          |          |               |          |          |          |                |  |
|       | 121   |          |          |          |          |               |          |          |          |                |  |
|       | 122   |          |          |          |          |               |          |          |          |                |  |
|       | 119<br>120<br>121<br>122<br>123<br>124<br>125<br>126<br>127<br>128<br>129<br>130<br>131<br>132<br>133<br>134<br>135 |          |          |          | _        |               |          |          |          |                |  |
|       | 124   |          |          |          | <u> </u> | _             | _        |          |          | $\Box$         |  |
|       | 125   | _        |          | _        | <u> </u> |               | <u> </u> | _        |          | -              |  |
|       | 126   |          |          |          | <u> </u> |               | <u> </u> | _        | _        | -              |  |
|       | 127   | _        |          |          | ├-       | _             | ┝        | _        | -        | $\vdash$       |  |
|       | 120   |          |          |          | ⊢        |               |          | _        |          | -              |  |
|       | 129   |          | _        | H        | $\vdash$ |               | _        | _        | $\vdash$ | $\vdash$       |  |
|       | 131   | -        |          | H        | ⊢        |               | $\vdash$ | _        | $\vdash$ | $\vdash$       |  |
|       | 132   | -        | -        | ┢┈       | -        | -             | $\vdash$ |          | $\vdash$ | Н              |  |
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|       | 134   |          |          | $\vdash$ | $\vdash$ |               | _        |          |          |                |  |
|       | 135   |          |          |          |          |               |          |          |          |                |  |
|       | 136   |          |          |          |          |               |          |          |          |                |  |
|       | 137   |          |          |          |          |               |          |          |          |                |  |
|       | 138<br>139  |          |          |          |          |               | •        |          |          |                |  |
|       | 139   |          |          |          |          |               |          |          |          |                |  |
|       | 140   |          | Ĺ        |          |          |               | <u> </u> |          |          |                |  |
|       | 141   | _        |          | L        | <u> </u> | L.            | <u> </u> |          | _        | Щ              |  |
|       | 142   | _        | _        | <u> </u> | <u> </u> | _             | <u> </u> |          | <u> </u> | Ш              |  |
|       | 143   | <u> </u> |          | <u> </u> | _        |               | <u> </u> | _        | $\vdash$ | Щ              |  |
|       | 144   | $\vdash$ | <u> </u> | ├        | <u> </u> | <u> </u>      |          | <u> </u> | $\vdash$ | Н              |  |
|       | 145   | <u> </u> | -        | ├        | <u> </u> | -             | ├        | Ь—       | $\vdash$ | Н              |  |
|       | 146<br>147  | -        | $\vdash$ | $\vdash$ | ┝        | -             | ┝        | $\vdash$ | <u> </u> | $\vdash\vdash$ |  |
| -     | 147   | -        | <u> </u> | $\vdash$ | ┝        | <u> </u>      |          | Ι—       | $\vdash$ | Н              |  |
|       | 149   | -        | -        | $\vdash$ | ├-       | $\vdash$      | $\vdash$ | $\vdash$ | -        | H              |  |
|       | 150   | $\vdash$ | -        | $\vdash$ | $\vdash$ | <del> -</del> | $\vdash$ | $\vdash$ | $\vdash$ | $\vdash$       |  |
|       | 100   |          |          | 1        |          | 1             | 1        |          |          | . 1            |  |